

PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of

Docket No: Q75926

Ryuichi MORISHITA, et al.

Divisional Application of

Appln. No.: 09/660,522

Group Art Unit: 1636 (prior application)

Confirmation No.: Not yet assigned

Examiner: David A. Lambertson (prior application)

Filed: July 9, 2003

For: MEDICAMENT COMPRISING HGF GENE

**INFORMATION DISCLOSURE STATEMENT
UNDER 37 C.F.R. §§ 1.97 and 1.98**

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

In accordance with the duty of disclosure under 37 C.F.R. § 1.56, Applicant hereby notifies the U.S. Patent and Trademark Office of the documents which are listed on the attached PTO/SB/08 A & B (modified) form and/or listed herein and which the Examiner may deem material to patentability of the claims of the above-identified application.

One copy of each of the listed documents is submitted herewith, along with a copy of the corresponding Communication from a Foreign Patent Office.

The present Information Disclosure Statement is being filed: (1) No later than three months from the application's filing date for an application other than a continued prosecution application (CPA) under §1.53(d); (2) Before the mailing date of the first Office Action on the merits (whichever is later); or (3) Before the mailing date of the first Office Action after filing a

INFORMATION DISCLOSURE STATEMENT
Divisional Application of U.S. Appln. No.: 09/660,522

request for continued examination (RCE) under §1.114, and therefore, no Statement under 37 C.F.R. § 1.97(e) or fee under 37 C.F.R. § 1.17(p) is required.

The submission of the listed documents is not intended as an admission that any such document constitutes prior art against the claims of the present application. Applicant does not waive any right to take any action that would be appropriate to antedate or otherwise remove any listed document as a competent reference against the claims of the present application.

Respectfully submitted,



Susan J. Mack
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SUGHRUE MION, PLLC
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WASHINGTON OFFICE



23373

PATENT TRADEMARK OFFICE

Date: July 9, 2003

<p>Substitute for Form 1449 A & B/PTO</p> <p>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</p> <p><i>(use as many sheets as necessary)</i></p>		<i>Complete if Known</i>	
		Application Number	Divisional Application of Appln. No. 09/660,522
		Confirmation Number	Not yet assigned
		Filing Date	July 9, 2003
		First Named Inventor	Ryuichi MORISHITA
		Art Unit	1636 (prior application)
		Examiner Name	David A. Lambertson (prior application)
Sheet	1	of	1
		Attorney Docket Number	Q75926

U.S. PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS

OTHER ART - NON PATENT LITERATURE DOCUMENTS

Examiner Signature		Date Considered	
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Applicant's unique citation designation number (optional). ²See Kind Codes of USPTO Patent Documents at www.uspto.gov, MPEP 901.04 or in the comment box of this document. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST. 3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to indicate here if English language Translation is attached.

<p>Substitute for Form 1449 A & B/PTO</p> <p>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</p> <p><i>(use as many sheets as necessary)</i></p>		<i>Complete if Known</i>	
Sheet	1	Of	2
		Application Number Confirmation Number Filing Date First Named Inventor Art Unit Examiner Name	
		Divisional Application of Appln No. 09/660,522 Not yet assigned June 9, 2003 Ryuichi MORISHITA 1636 (prior application) D. Lambertson (prior application)	
		Attorney Docket Number Q75926	

U.S. PATENT DOCUMENTS

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
		Number	Kind Code ² (if known)		
		US			

FOREIGN PATENT DOCUMENTS

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city, and/or country where published.	Translation ⁶
		December 30, 2002 Office Action issued in corresponding Taiwanese patent application.	No
		ML LIU, et al., "Hepatocyte growth factor inhibits cell proliferation in vivo of rat hepatocellular carcinomas induced by diethylnitrosamine," <i>Carcinogenesis</i> , April 1995, 16(4): 841-3.	Abstract
		Y. MATSUDA, et al., "Hepatocyte growth factor suppresses the onset of liver cirrhosis and abrogates lethal hepatic dysfunction in rats," <i>J. Biochem.</i> , September 1995, 118(3): 643-9.	Abstract
		G. SHIOTA, et al., "Inhibitory effect of hepatocyte growth factor on metastasis of hepatocellular carcinoma in transgenic mice," <i>Res Commun Mol Pathol Pharmacol</i> , January 1996, 91(1): 33-9.	Abstract
		G. SHIOTA, et al., "Characterization of double transgenic mice expressing hepatocyte growth factor and transforming growth factor alpha," <i>Res Commun Mol Pathol Pharmacol</i> , October 1995, 90(1): 17-24.	Abstract
		G. SHIOTA, et al., "Hepatocyte growth factor in transgenic mice: effects on hepatocyte growth, liver regeneration and gene expression," <i>Hepatology</i> , April 1994, 19(4): 962-72.	
		G. SHIOTA, et al., "Hepatocyte growth factor inhibits growth of hepatocellular carcinoma cells," <i>Proc Natl Acad Sci USA</i> , January 1992, 89(1): 373-7.	Yes

Examiner Signature		Date Considered	
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INFORMATION DISCLOSURE STATEMENT

Continuation of U.S. Appln. No.

	(continued from the last page) Growth Factor Gene in Rat and Rabbit Hind Limb Ischemia Models: Pre-clinical Study to Treat Peripheral Arterial Disease."
	Preprint of article by Aoki, et al., entitled "Angiogenesis Induced by Hepatocyte Growth Factor in Non-infarcted Myocardium and Infarcted Myocardium: Up-regulation of Essential Transcription Factor for Angiogenesis, Ets."
	"Scatter Factor (Hepatocyte Growth Factor) is a Potent Angiogenesis Factor IN Vitro" by Rosen et al., Society of Experimental Biology, 1993, pp 227-234
	"Scatter Factor Induces Blood Vessel Formation IN VIVO" by Grant, et al., Proc. Nat'l. Acad. Sci USA, Vol. 90, March 1993, pp 1937-1941
	"Hepatocyte Growth Factor/Scatter Factor Modulates Cell Motility, Proliferation, and Proteoglycan Synthesis of Chondrocytes" by Takebayashi et al., Journal of Cell Biology, Vol. 29, No. 5 1995, pp 1411-1419
	"The Interaction of HGF-SF with other Cytokines in Tumor Invasion and Angiogenesis" by Rosen et al., Vol. 65, 1993, pp. 301-310
	Circulation 96, No. 8, October 21, 1997, No. 3459
	Nature Medicine 5:226-230 (February, 1999)
	Nature 338:557-562, 1989
	Science 235:442-447, 1987
	J. Clin. Invest. 93:662-670, 1993
	J. Vasc. Surg. 16:181-191, 1998
	Circulation 97:645-650, 1998
	Circulation 98:2800-2804, 1998
	J. Bone & Joint Surg. 71:74-80, 1989
	New England J. Medicine 331:889-895, 1994
	Gut, Supplement No. 5, Vol. 35, s-60, F240 (1994)
	Biochem and Biophys Res. Comm. 220, 539-545 (1996), Hayashi et al., "Autocrine-paracrine effects of overexpression of hepatocyte growth factor gene on growth of endothelial cells"
	Verma et al., "Gene therapy promises, problems and prospects," Nature 389:239-242 (1997)
	Morishita, et al., "Novel in vitro gene transfer method for study of local modulators in vascular smooth muscle cells," Hypertension 21:894-899 (1993)

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Applicant: Ryuichi MORISHITA, et al.
Filing Date: July 9, 2003
Group: 1636 (prior application)

U.S. PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	Eliot M. Rosen et al., "The interaction of HGF-SF with other cytokines in tumor invasion and angiogenesis", <i>Exs</i> , Vol. 65, 1993, pp. 301-310
	Eliot M. Rosen et al., "Scatter Factor (Hepatocyte Growth Factor) Is A Potent Angiogenesis Factor <i>In Vivo</i> ", <i>Symp. Society of Experimental Biology</i> , Vol. 47, 1993, pp. 227-234
	Derrick S. Grant et al., "Scatter factor induces blood vessel formation <i>in vivo</i> ", <i>Proc. Natl. Acad. Sci.</i> , Vol. 90, March 1993, pp. 1937-1941
	Toshiaki Takebayashi et al., "Hepatocyte Growth Factor/Scatter Factor Modulates Cell Motility, Proliferation and Proteoglycan Synthesis of Chondrocytes", <i>The Journal of Cell Biology</i> , Vol. 129, No. 5, June 1995, pp. 1411-1419
	Naruya Tomita et al., "Direct <i>In Vivo</i> Gene Introduction Into Rat Kidney", <i>Biochemical and Biophysical Research Communications</i> , Vol. 186, No. 1, July 1992, pp. 129-134

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	Nakamura et al., "Expression of Local Hepatocyte Growth Factor System in Vascular Tissues", <i>Biochemical and Biophysical Research Communications</i> , Vol. 215, No. 2, 1995, pp. 483-488
	Hayashi et al., "Autocrine-paracrine effects of overexpression of hepatocyte growth factor gene on growth of endothelial cells", <i>Biochemical and Biophysical Research Communications</i> , Vol. 220, No. 3, 1996, pp. 539-545

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STATEMENT UNDER 37 C.F.R. § 1.97(e)

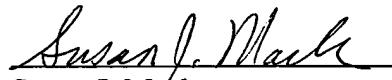
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

The undersigned hereby states, upon information and belief:

That each item of information contained in the Information Disclosure Statement filed concurrently herewith was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of said Information Disclosure Statement.

Respectfully submitted,


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